Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

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- 5 1 (currently amended): A method for processing an image to increase sharpness of the image without changing hue characteristics, the method comprising:
 - (a) performing a transformation process to transform an original image signal into CIE XYZ colorimetric channels;
 - (b) forming a luminance channel Y;
- (c) applying a filter on the luminance channel Y to obtain a processed luminance channel Y';
 - (d) computing processed colorimetric channels X' and Z' based on the processed luminance channel Y', wherein a relationship between the processed colorimetric channel X' and the colorimetric channel X satisfies the equation X'=(X/Y)*Y'; and
 - (e) performing an inverse transformation process to transform the processed colorimetric channels X'Y'Z' into a processed image signal.
- 2 (original): The method of claim 1 wherein the filter applied in step (c) is an unsharp masking (USM) filter.
 - 3 (original): The method of claim 1 wherein the filter applied in step (c) is a sharpness filter.
- 4 (original): The method of claim 1 wherein in step (a) the transformation process comprises transforming RGB values of the original image signal into CIE XYZ colorimetric channels.
- 5 (original): The method of claim 4 wherein in step (e) the inverse transformation 30 process comprises transforming the processed colorimetric channels X'Y'Z' into

R'G'B' values of the processed image signal.

- 6 (original): The method of claim 1 wherein in step (a) the transformation process comprises transforming CMYK values of the original image signal into CIE XYZ colorimetric channels.
- 7 (original): The method of claim 6 wherein in step (e) the inverse transformation process comprises transforming the processed colorimetric channels X'Y'Z' into C'M'Y'K' values of the processed image signal.

8 (cancelled).

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- 9 (original): The method of claim 1 wherein in step (d) a relationship between the processed colorimetric channel Z' and the colorimetric channel Z satisfies the equation Z'=(Z/Y)*Y'.
- 10 (original): An image processing apparatus for implementing the method of claim 1.
- 11 (new): A method for processing an image to increase sharpness of the image without changing hue characteristics, the method comprising:
 - (a) performing a transformation process to transform an original image signal into CIE XYZ colorimetric channels;
 - (b) forming a luminance channel Y;
 - (c) applying a filter on the luminance channel Y to obtain a processed luminance channel Y';
 - (d) computing processed colorimetric channels X' and Z' based on the processed luminance channel Y', wherein a relationship between the processed colorimetric channel Z' and the colorimetric channel Z satisfies the equation Z'=(Z/Y)*Y'; and
- 30 (e) performing an inverse transformation process to transform the processed

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colorimetric channels X'Y'Z' into a processed image signal.

- 12 (new): The method of claim 11 wherein the filter applied in step (c) is an unsharp masking (USM) filter.
- 13 (new): The method of claim 11 wherein the filter applied in step (c) is a sharpness filter.
- 14 (new): The method of claim 11 wherein in step (a) the transformation process

 10 comprises transforming RGB values of the original image signal into CIE XYZ

 colorimetric channels.
 - 15 (new): The method of claim 14 wherein in step (e) the inverse transformation process comprises transforming the processed colorimetric channels X'Y'Z' into R'G'B' values of the processed image signal.
 - 16 (new): The method of claim 11 wherein in step (a) the transformation process comprises transforming CMYK values of the original image signal into CIE XYZ colorimetric channels.
 - 17 (new): The method of claim 16 wherein in step (e) the inverse transformation process comprises transforming the processed colorimetric channels X'Y'Z' into C'M'Y'K' values of the processed image signal.
- 25 18 (new): An image processing apparatus for implementing the method of claim 11.